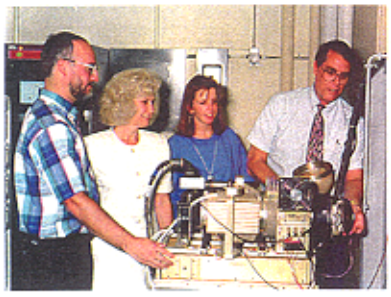
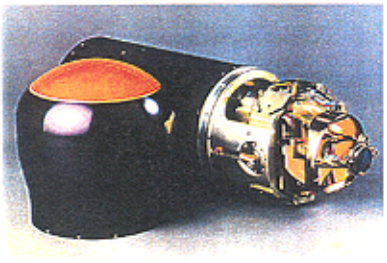
Missile Guidance Directorate

CORE CAPABILITIES

Realtime Embedded Computers	RF Seekers / Radars
Inertial / GPS Navigation	Infrared Seekers
Control Actuation	Laser Systems
System Design & Integration	Image & Signal Processing



RF Seekers Microwave and millimeter wave radars, flight seekers, and sensors. Design and integration of RF antennas, transmitters, receivers, and signal processors. Subsystem and system level characterization through digital simulations, laboratory and field tests



Optical Seekers Optical (Infrared / visible) flight seekers, ground sensors, and laser designators. Design and integration of detector arrays, optical trains, and signal processors. Subsystem and system level characterization through simulation and lab and field tests

System Design & Integration Demonstration programs allow technology to be proven before full-scale production. Combines simulation with guidance, navigation and control expertise for system level design.

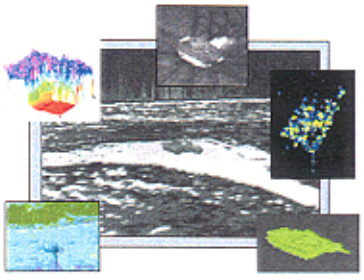
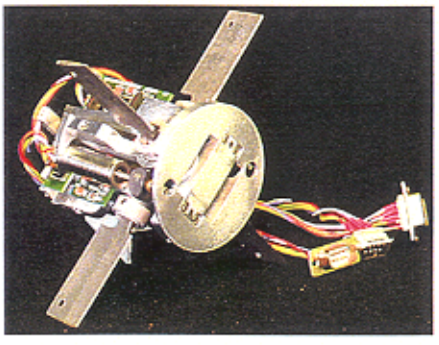
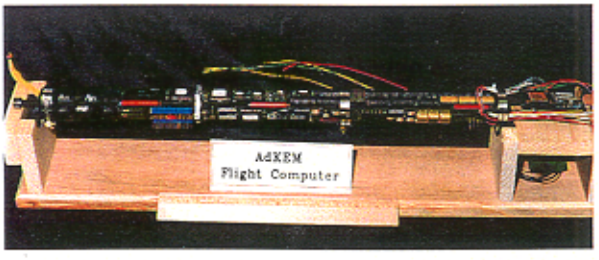


Image Processing Virtual target signature modeling, automatic target acquisition, recognition and tracking, and RF guidance and control links for missiles, ground robotics, and Unmanned Aerial Vehicles (UAV).



Inertial / Control Actuation Aviation and missile control (fin actuation / thrust vector control) and navigation, including GPS, gyros, accelerometers, and micro-electromechanical and fiber optic devices.



Flight Computer Realtime embedded computers and processors (hardware / software) for flight and ground systems, to include missile guidance, fire control, robotics and training simulators.